

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

WIN-1450

Effective October 1, 2011

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building code (IBC)**. This product shall be subject to reevaluation **May 2015**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Series 7550 Vinyl Casement Windows, Non-impact Resistant, manufactured by

General Aluminum Company of Texas, LP
1001 W. Crosby Road
Carrollton, Texas 75006
Telephone: (972) 242-5271

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Series 7550 windows are vinyl casement windows. The vinyl casement windows evaluated in this report are individual, non-impact resistant, windows. This product evaluation report is for vinyl casement windows based on the following tested construction:

General Description:

System	Description	Label Rating
1	Series 7550 Vinyl Casement Windows; (X)	C-C50 36 x 72

Product Dimensions:

System	Overall Size	Vent Size
1	36" x 72"	34" x 70"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Description Key" for the glazing method description.

Glass Construction Key:

IG-1: The vent contains a sealed insulating glass unit. The sealed insulating glass unit in the tested assembly is comprised of two double strength ($\frac{1}{8}$ ") annealed glass lites separated by a fluted aluminum spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Description Key:

GM-1: The insulated glass unit is set from the interior against a backbedding compound. The insulating glass unit is secured in place with rigid vinyl snap-in glazing beads.

Frame Construction: The frame members are constructed of extruded vinyl (PVC). The frame corners are mitered and welded construction.

Vent Construction: The vent members are constructed of extruded vinyl (PVC). The vent corners are mitered and welded construction.

Reinforcement: None.

Hardware:

- Multi-point lock; One (1) required; Located at the interlock jamb.
- Vinyl keepers; Four (4) required; Located on the vent stile; secured with screws.
- Metal lock keepers; Located $1\frac{3}{4}$ inches from the sill and 20 inches on center; secured with screws.
- Rotary operator; One (1) required; Located at the sill; Secured with screws.
- Lock; One (1) required; Secured with screws.
- Sliding hinge assembly; One (1) required; Located at the head and the sill
- Metal snubber; One (1) required; located 31 inches from the sill at the hinge jamb; secured with screws.
- Vinyl snubber keeper; One (1) required; Located at the hinge stile; Secured with screws.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's name; the product name: **Series: 7550 Casement**; performance characteristics; the approved inspection agency (AAMA); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	36	72	± 50

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be prepared and installed in accordance with the manufacturer's recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation: The wall framing shall be minimum Spruce-Pine-Fir dimension lumber. The window is secured to the wall framing members using the window nailing fin with minimum 6d (0.113" x 2" long) smooth shank nails. The fasteners shall be located approximately 6 inches from each corner and approximately 12 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing. The window shall be set in a bed of silicone.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC); the International Building Code (IBC); and the Texas Revisions.